

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2101	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2101 Blewett	U	3.51						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.08		0.08	2.28%				
Trim / Thin Trees	0.02		0.02	0.57%				
Encroachments	0.01		0.01	0.29%	1.16			
Animal Control	0.24	0.02	0.32	9.12%				
Erosion / Bank Caving	0.02		0.02	0.57%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	11.40%				
<i>LMA Totals:</i>	0.37	0.12	0.85	24.22%	1.16	0.00	0.00	0.00

Unit No. 01 San Joaquin River LB	Overall Unit Rating	Total Unit Miles						
RD2101	U	3.20						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.08		0.08	2.50%				
Trim / Thin Trees	0.02		0.02	0.63%				
Encroachments	0.01		0.01	0.31%	1.16			
Animal Control	0.24	0.02	0.32	10.00%				
Erosion / Bank Caving	0.01		0.01	0.31%				
<i>Supplemental</i>								
DWR Erosion Survey		0.10	0.40	12.50%				
<i>Unit Totals:</i>	0.36	0.12	0.84	26.25%	1.16	0.00	0.00	0.00

Unit No. 02 San Joaquin River (Spur Levee) RB	Overall Unit Rating	Total Unit Miles						
RD2101	A	0.31						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Erosion / Bank Caving	0.01		0.01	3.23%				
<i>Unit Totals:</i>	0.01	0.00	0.01	3.23%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Reclamation District No. 2101 Blewett

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	3.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/02/2012 - 05/02/2012		09/25/2012 - 09/25/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By			Jim Coddington RD 2101	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	2
DWR ID: DWR_RD2101_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	4
DWR ID: DWR_RD2101_01_s_2012_4										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	5
DWR ID: DWR_RD2101_01_s_2012_5										
4	0.00	0.06	Earthen Levee	Vegetation	LS	M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.657334 ° -121.243522 °	37.657818 ° -121.253580 °	8 Y
DWR ID: DWR_RD2101_01_f_2012_8										
5	0.04	0.04	Earthen Levee	Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.657648 ° -121.253812 °	37.657648 ° -121.253812 °	12 Y
DWR ID: DWR_RD2101_01_s_2012_12										
6	0.06	0.06	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo patch	37.657818 ° -121.253580 °	37.657818 ° -121.253580 °	9 Y
DWR ID: DWR_RD2101_01_f_2012_9										
7	0.16	0.16	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.656827 ° -121.252150 °	37.656827 ° -121.252150 °	19
DWR ID: DWR_RD2101_01_s_2012_19										
8	0.19	0.19	Earthen Levee	Encroachments	CRA/W	PI : Pipe Ma		37.657128 ° -121.251692 °	37.657128 ° -121.251692 °	7 Y
DWR ID: DWR_RD2101_01_s_2012_7										
9	0.19	0.30	Earthen Levee	Encroachments	LS	M En	DT : Ditch	37.657028 ° -121.251817 °	37.658001 ° -121.250269 °	6
DWR ID: DWR_RD2101_01_s_2012_6										
10	0.34	0.34	Earthen Levee	Encroachments	LS	M Ma	PR : Prunings Inspector Comments: Pile of branches at toe of levee.	37.658265 ° -121.249640 °	37.658265 ° -121.249640 °	20 Y
DWR ID: DWR_RD2101_01_s_2012_20										
11	0.72	0.72	Earthen Levee	Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.659834 ° -121.243827 °	37.659834 ° -121.243827 °	10 Y
DWR ID: DWR_RD2101_01_f_2012_10										
12	0.75	0.75	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Trim tree to allow access and visibility.	37.659705 ° -121.243306 °	37.659705 ° -121.243306 °	11 Y
DWR ID: DWR_RD2101_01_f_2012_11										
13	0.76	1.80	Earthen Levee	Encroachments	LS	M En	DT : Ditch	37.659827 ° -121.243675 °	37.651049 ° -121.231475 °	944 Y
DWR ID: DWR_RD2101_01_s_2012_944										
14	0.80	0.80	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.659302 ° -121.242875 °	37.659302 ° -121.242875 °	22 Y
DWR ID: DWR_RD2101_01_s_2012_22										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	0.88	0.88	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.658663 ° -121.241750 °	37.658663 ° -121.241750 °	3 Y
DWR ID: DWR_RD2101_01_s_2012_3										
16	1.09	1.09	Earthen Levee	Trim / Thin Trees	WS	M Ma	T1 : Trim trees to at least five feet above ground level.	37.655688 ° -121.241202 °	37.655688 ° -121.241202 °	23
DWR ID: DWR_RD2101_01_s_2012_23										
17	1.61	1.61	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Pipe penetrates through levee. Closure valve on water side slope.	37.651552 ° -121.234346 °	37.651552 ° -121.234346 °	13 Y
DWR ID: DWR_RD2101_01_s_2012_13										
18	1.63	1.63	Earthen Levee	Encroachments	LS	M En	PO : Pole	37.651555 ° -121.234061 °	37.651555 ° -121.234061 °	14
DWR ID: DWR_RD2101_01_s_2012_14										
19	1.91	2.00	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 07/18/2012: Erosion has further developed toward levee crown. Vegetation has been removed. 08/18/2011: Erosion progressed significantly during the past flood season. The levee toe along the erosion site was washed away, and the erosion has cut the levee structure up to the point about 1/3 of the levee slope. The scarp height is approximately 17 feet. Very dense vegetation on the site. Trees visible. 10/19/2010: No significant changes observed on site. Remaining levee berm topsoil is of silty sand mixture. Erosion is near the downstream transition. An eddy has formed, and has scoured away a 100-foot section of the bank, possibly encroaching into the levee prism. Vegetation on site includes willows, oak, and cotton wood located from the bench to the toe. On the landside are rows of corn crop. 08/05/2010: Recommended for Repair, per CLRO. 2009: Site recommended as annual assessment and monitoring if critical erosion site, per CLRO CES Evaluation 2008 Report; an eddy has formed, eroding bank and intruding into the levee prism; Site # is the same as RM76.3,LM1.89; previously rated "U". 08/30/2007: Recommended for short list of immediate repair sites; silty sand levee material. [2012 Site ID:RD2101U01RM73.92]	37.650259 ° -121.228961 °	37.650259 ° -121.228961 °	1 Y
DWR ID:										
20	2.39	2.39	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.645785 ° -121.226337 °	37.645785 ° -121.226337 °	30 Y
DWR ID: DWR_RD2101_01_s_2012_30										
21	2.74	2.74	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma		37.642005 ° -121.229742 °	37.642005 ° -121.229742 °	21 Y
DWR ID: DWR_RD2101_01_s_2012_21										
22	2.88	2.88	Earthen Levee	Animal Control	WS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrows with squirrels observed. Burrows on both sides of levee.	37.640305 ° -121.230095 °	37.640305 ° -121.230095 °	27 Y
DWR ID: DWR_RD2101_01_s_2012_27										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River						Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
23	2.89	2.89	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma		37.640133 ° -121.230037 °	37.640133 ° -121.230037 °	25 Y
DWR ID: DWR_RD2101_01_s_2012_25										
24	2.89	2.89	Earthen Levee	Animal Control	LS	U Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Numerous rodent holes throughout levee slope.	37.640134 ° -121.230019 °	37.640134 ° -121.230019 °	28 Y
DWR ID: DWR_RD2101_01_s_2012_28										
25	2.91	2.91	Earthen Levee	Erosion / Bank Caving	WS	M Ma	E2 : Schedule repair of erosion site prior to the next inspection.	37.639852 ° -121.229980 °	37.639852 ° -121.229980 °	29 Y
DWR ID: DWR_RD2101_01_s_2012_29										
26	2.91	2.91	Earthen Levee	Encroachments	WSA/W	PI : Pipe Ma	Inspector Comments: Flap gates open.	37.639824 ° -121.230005 °	37.639824 ° -121.230005 °	24 Y
DWR ID: DWR_RD2101_01_s_2012_24										
27	3.02	3.20	Earthen Levee	Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Active burrows with rodents present.	37.638760 ° -121.231341 °	37.638760 ° -121.231341 °	17 Y
DWR ID: DWR_RD2101_01_s_2012_17										
28	3.11	3.11	Earthen Levee	Animal Control	CR	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Large burrow in crown with no rodents present at time of inspection.	37.637943 ° -121.232620 °	37.637943 ° -121.232620 °	18 Y
DWR ID: DWR_RD2101_01_s_2012_18										

*** Location**

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.06
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of tumbleweeds on landside slope obstructing visibility.

mkhashch_f_20120927_027.JPG



Levee Mile Report Line	5
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Water Side
Category	Earthen Levee
Item	Animal Control

View of rodent holes on waterward slope, facing upstream.

mkhashch_f_20120925_007.jpg



Levee Mile Report Line	6
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of Arundo patch on waterside slope near crown obstructing visibility.

mkhashch_f_20120927_029.JPG



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.19
End Levee Mile	0.19
Location	Crown
Category	Earthen Levee
Item	Encroachments

Drainage discharge under levee crown.

mkhashch_f_20120925_006.jpg



Levee Mile Report Line	10
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of pile of prunings at landside levee toe.

mkhashch_f_20120927_028.JPG



Levee Mile Report Line	11
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of wild rose on waterside slope obstructing visibility.

mkhashch_f_20120927_030.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.75
End Levee Mile	0.75
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of tree branches obstructing waterside slope.

mkhashch_f_20120927_031.JPG



Levee Mile Report Line	13
Start Levee Mile	0.76
End Levee Mile	1.80
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Concrete ditch near landside toe.

mkhashch_f_20120925_024.jpg



Levee Mile Report Line	14
Start Levee Mile	0.80
End Levee Mile	0.80
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of levee material removed by rodent activity on landside slope facing downstream. 05/02/2012

mkhashch_f_20120925_015.jpg



*** Location**

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En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	15
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/02/2011 Active rodent burrow.	
mkhashch_f_20120925_005.jpg	



Levee Mile Report Line	17
Start Levee Mile	1.61
End Levee Mile	1.61
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Photo of pump in background and CMP riser with valve in foreground.	
mkhashch_f_20120927_032.JPG	



Levee Mile Report Line	19
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Looking downstream from levee top. The tree at the water edge is the visible starting point of the erosion.	
SJR2012_RD2101U01RM73.92_1.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	19
Start Levee Mile	1.91
End Levee Mile	2.00
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A close look at the erosion.

SJR2012_RD2101U01RM73.92_2.jpg



Levee Mile Report Line	20
Start Levee Mile	2.39
End Levee Mile	2.39
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of levee material removed by rodent activity on landside slope, facing upstream. 05/02/2012

mkhashch_f_20120925_023.jpg



Levee Mile Report Line	21
Start Levee Mile	2.74
End Levee Mile	2.74
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake near Maze Blvd.

mkhashch_f_20120925_014.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	22
Start Levee Mile	2.88
End Levee Mile	2.88
Location	Water Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on levee slope hidden by vegetation.

mkhashch_f_20120925_018.jpg



Levee Mile Report Line	23
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Risers on waterside berm and risers along road leading to levee indicate presence of pipe penetration.

mkhashch_f_20120925_017.jpg



Levee Mile Report Line	24
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes on levee slope.

mkhashch_f_20120925_019.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

05/26/2011 Updated photo of animal control issue noted in Fall 2010 inspection, fresh rodent burrow present.

mkhashch_f_20120925_020.jpg



Levee Mile Report Line	24
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

11/02/2011 Numerous burrows on levee slope.

mkhashch_f_20120925_021.jpg



Levee Mile Report Line	24
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of numerous rodent holes with bait stations present. 09/25/2012

mkhashch_f_20120927_033.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	25
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Levee slope is being eroded at this location. Repair needed to preserve access road.

mkhashch_f_20120925_022.jpg



Levee Mile Report Line	25
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of repaired site, but it appears that erosion is still occurring. 09/25/2012

mkhashch_f_20120927_034.JPG



Levee Mile Report Line	26
Start Levee Mile	2.91
End Levee Mile	2.91
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Drainage discharge to San Joaquin River.

mkhashch_f_20120925_016.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	27
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/02/2011 Numerous burrows present, some already caving in, others are active.	
mkhashch_f_20120925_009.jpg	



Levee Mile Report Line	27
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/02/2011 Many active burrows present.	
mkhashch_f_20120925_010.jpg	



Levee Mile Report Line	27
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control
11/02/2011 Many burrows present throughout the levee slope.	
mkhashch_f_20120925_011.jpg	

*** Location**

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WS : Water Side
CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	27
Start Levee Mile	3.02
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the many rodent holes on landside slope.
09/25/2012

mkhashch_f_20120927_035.JPG



Levee Mile Report Line	28
Start Levee Mile	3.11
End Levee Mile	3.11
Location	Crown
Category	Earthen Levee
Item	Animal Control

11/02/2011 Large burrow in crown.

mkhashch_f_20120925_012.jpg



Levee Mile Report Line	28
Start Levee Mile	3.11
End Levee Mile	3.11
Location	Crown
Category	Earthen Levee
Item	Animal Control

05/02/2012 Rodent holes in the levee crown.

mkhashch_f_20120925_013.jpg



*** Location**

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WS : Water Side
CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	3.20	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	28
Start Levee Mile	3.11
End Levee Mile	3.11
Location	Crown
Category	Earthen Levee
Item	Animal Control

View of the rodent hole in the levee crown.
Smaller holes were covered due to crown
regrading. 09/25/2012

mkhashch_f_20120927_036.JPG



*** Location**

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CR : Crown

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+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 2101 Blewett

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River (Spur Levee)			Right	0.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/02/2012 - 05/02/2012		09/25/2012 - 09/25/2012	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By			Jim Coddington RD 2101	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)						Right	0.31	09/25/2012 09/25/2012	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.00	Earthen Levee	Vegetation	WS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	37.659774 ° -121.243522 °	37.659774 ° -121.243522 °	1 Y
DWR ID: DWR_RD2101_02_f_2012_1										
2	0.31	0.31	Earthen Levee	Erosion / Bank Caving	WS Ma	M	E2 : Schedule repair of erosion site prior to the next inspection. Inspector Comments: At the end of this spur two rivers converge and due to past high water events a large scour hole has been formed. It is now filled in with vegetation. The next HW event could further scour this large hole. 05/26/2011 scour hole still present, no change.	37.663998 ° -121.242925 °	37.663998 ° -121.242925 °	2 Y
DWR ID: DWR_RD2101_02_s_2012_2										

*** Location**

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A/W : Acceptable but Monitor & Maintain

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Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 2101 Blewett

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River (Spur Levee)	Right	0.31	09/25/2012 09/25/2012	Maksim Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of acceptable vegetation control on waterside slope.

mkhashch_f_20120927_026.JPG



Levee Mile Report Line	2
Start Levee Mile	0.31
End Levee Mile	0.31
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

11/02/2011 Updated photo of the scouring occurring at the end of the spur levee.

mkhashch_f_20120925_025.jpg



*** Location**

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CR : Crown

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+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement